

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P952916

Luminaire Tested: **GALN-SB6C-850-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-850-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45520 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

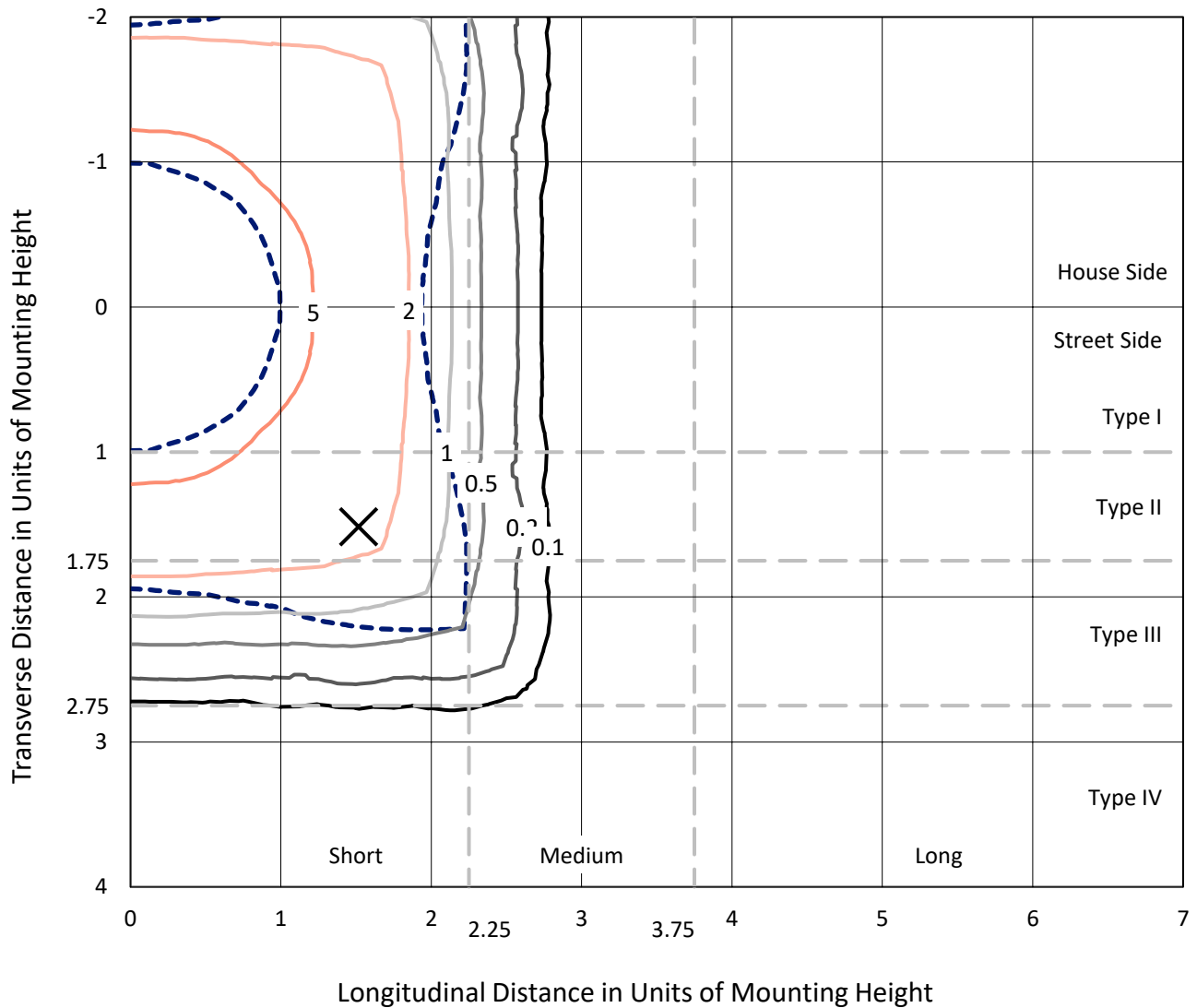
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952916
 CATALOG NUMBER: GALN-SB6C-850-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

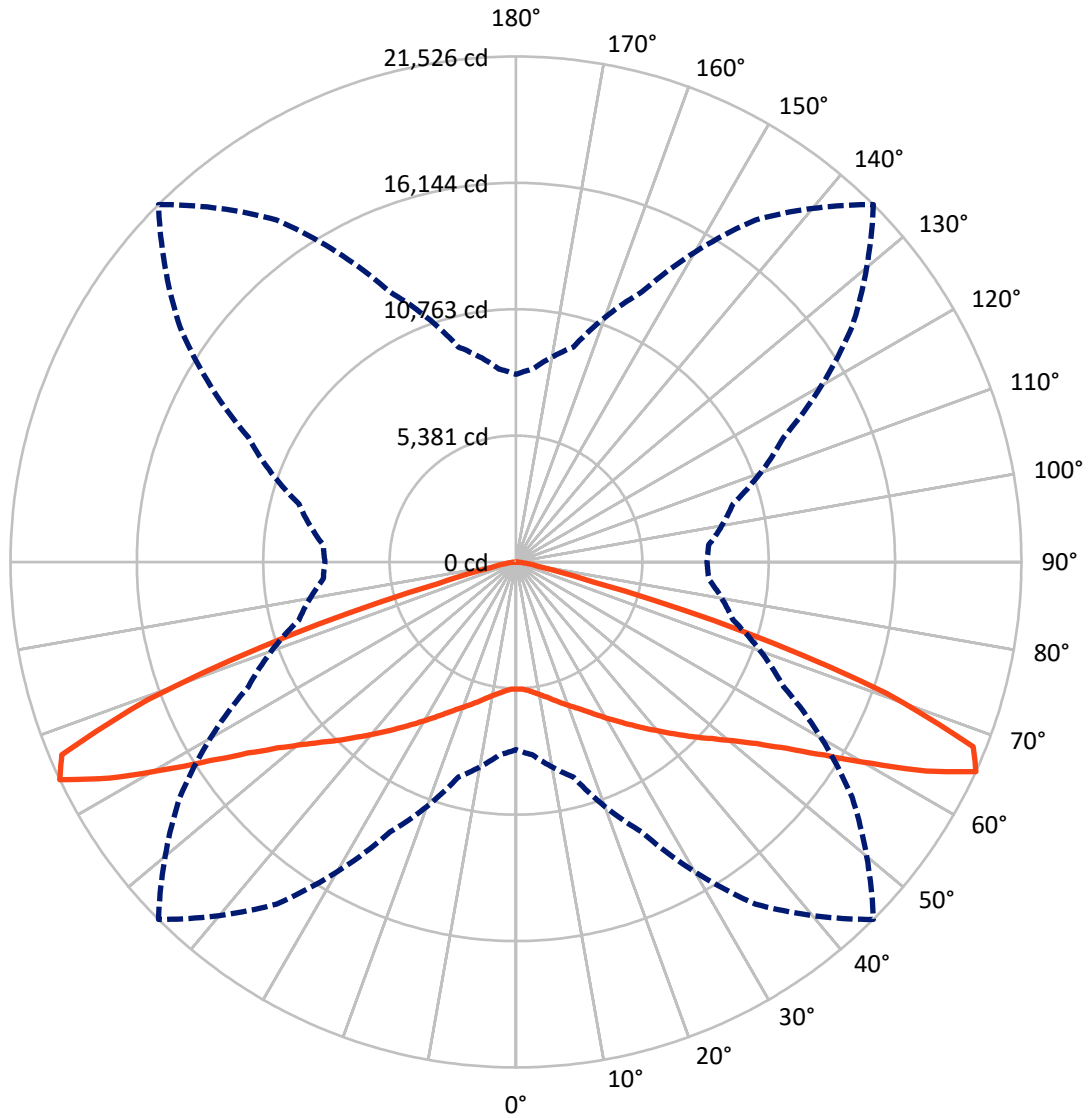
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

REPORT NUMBER: P952916
CATALOG NUMBER: GALN-SB6C-850-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P952916
 CATALOG NUMBER: GALN-SB6C-850-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22760.0	0.0	22760.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22760.0	0.0	22760.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45520.0	0.0	45520.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.6	1.2
10°-20°	1744.6	3.8
20°-30°	3293.9	7.2
30°-40°	5393.7	11.8
40°-50°	8363.0	18.4
50°-60°	12353.9	27.1
60°-70°	11759.8	25.8
70°-80°	1897.6	4.2
80°-90°	178.9	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	45520.0	100.0
0°-180°	45520.0	100.0



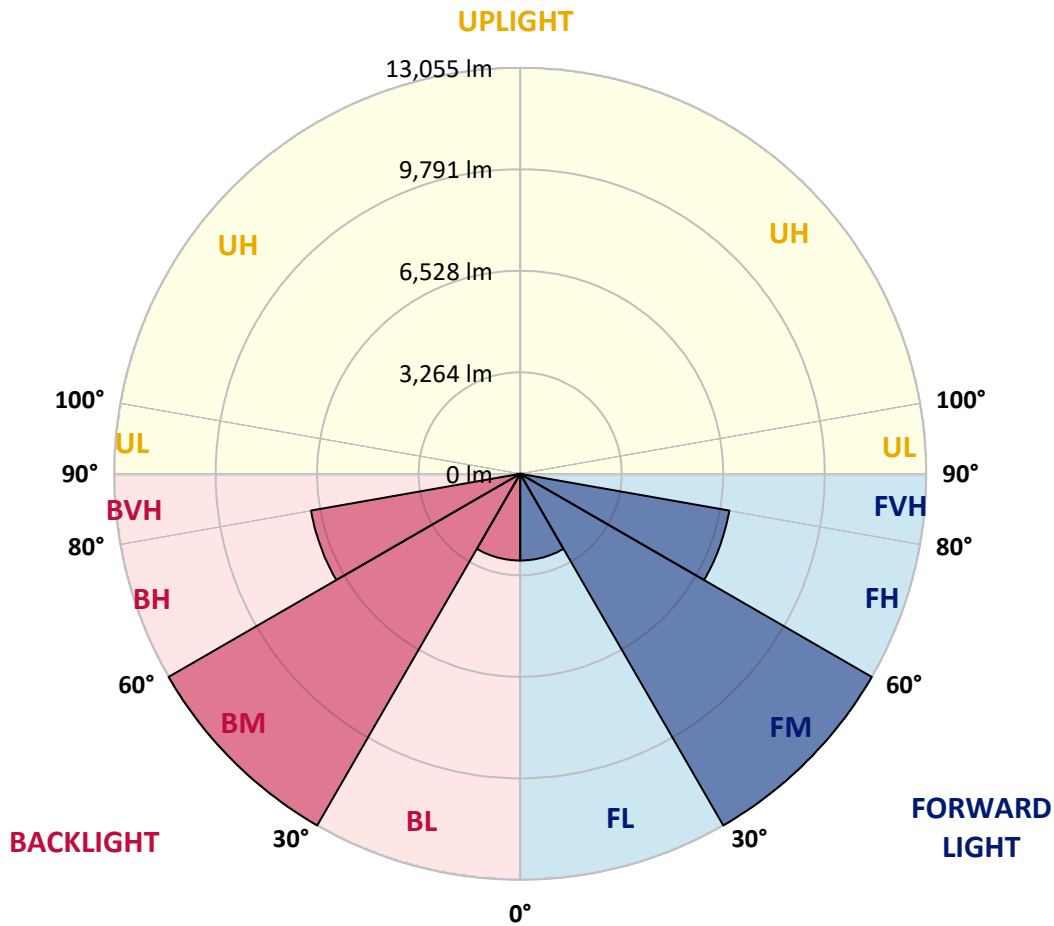
REPORT NUMBER: P952916
 CATALOG NUMBER: GALN-SB6C-850-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2786.6	6.1			
FM (30°-60°)	13055.3	28.7			
FH (60°-80°)	6828.7	15.0			G3/7500
FVH (80°-90°)	89.4	0.2			G1/100
BL (0°-30°)	2786.6	6.1	B4/5000		
BM (30°-60°)	13055.3	28.7	B5		
BH (60°-80°)	6828.7	15.0	B5		G3/7500
BVH (80°-90°)	89.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



REPORT NUMBER: P952916
 CATALOG NUMBER: GALN-SB6C-850-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5417.3	5417.3	5417.3	5417.3	5417.3	5417.3	5417.3	5417.3	5417.3	5417.3
2.5°	5453.9	5435.6	5449.3	5437.9	5428.8	5419.6	5424.2	5440.2	5447.0	5449.3
5°	5527.0	5511.0	5517.8	5517.8	5501.8	5497.3	5499.6	5511.0	5524.7	5524.7
7.5°	5645.7	5629.7	5645.7	5636.6	5622.9	5618.3	5616.0	5625.2	5645.7	5645.7
10°	5789.6	5771.3	5780.5	5775.9	5759.9	5753.1	5750.8	5764.5	5782.8	5780.5
12.5°	5947.2	5926.6	5938.1	5924.4	5919.8	5912.9	5912.9	5910.7	5922.1	5912.9
15°	6123.1	6109.3	6113.9	6104.8	6111.6	6107.1	6088.8	6079.7	6084.2	6070.5
17.5°	6330.9	6298.9	6314.9	6310.3	6310.3	6319.5	6289.8	6278.4	6287.5	6273.8
20°	6570.7	6538.7	6545.6	6536.4	6525.0	6534.1	6497.6	6506.7	6513.6	6504.5
22.5°	6833.3	6792.2	6789.9	6794.5	6769.4	6771.7	6746.5	6769.4	6783.1	6758.0
25°	7102.8	7059.4	7089.1	7077.7	7045.7	7052.6	7034.3	7057.2	7068.6	7036.6
27.5°	7388.3	7358.6	7386.0	7392.9	7354.1	7381.5	7354.1	7374.6	7386.0	7338.1
30°	7721.8	7692.1	7717.2	7735.5	7689.8	7733.2	7710.3	7724.0	7726.3	7669.2
32.5°	8084.9	8039.2	8103.2	8112.3	8062.1	8114.6	8084.9	8103.2	8114.6	8036.9
35°	8528.0	8470.9	8544.0	8532.5	8489.1	8532.5	8505.1	8532.5	8559.9	8466.3
37.5°	9005.3	8945.9	9023.6	9003.0	8961.9	8991.6	8975.6	8993.9	9037.3	8936.8
40°	9530.6	9457.5	9562.6	9526.0	9487.2	9482.6	9491.8	9503.2	9560.3	9448.4
42.5°	10092.4	10014.8	10172.3	10115.3	10060.4	10023.9	10053.6	10076.4	10131.2	10005.6
45°	10734.2	10645.1	10850.7	10782.1	10695.4	10620.0	10667.9	10702.2	10782.1	10631.4
47.5°	11442.2	11341.7	11560.9	11540.4	11398.8	11234.3	11344.0	11442.2	11501.6	11318.9
50°	12134.2	12056.5	12344.3	12369.4	12195.9	11965.2	12118.2	12266.7	12282.6	12042.8
52.5°	12782.8	12705.2	13123.1	13280.7	13125.4	12851.3	13013.5	13164.2	13043.2	12732.6
55°	13301.2	13237.3	13769.4	14176.0	14228.5	14002.4	14098.3	14093.8	13696.4	13219.0
57.5°	13426.9	13417.7	14089.2	14950.2	15498.3	15525.7	15336.2	14852.0	13995.5	13353.8
60°	12855.9	12913.0	13835.7	15354.4	16816.1	17423.6	16603.7	15222.0	13655.2	12764.5
62.5°	11147.6	11298.3	12410.5	14861.1	17880.4	19607.0	17620.0	14660.1	12257.5	11095.0
65°	7989.0	8251.6	9480.3	12682.3	17784.5	21525.5	17473.9	12579.5	9571.7	8231.1
67.5°	3624.5	3891.7	4935.4	8683.3	15459.5	21004.7	15423.0	8774.6	5182.1	3905.4
70°	1313.2	1358.9	1694.6	3476.0	9880.0	16736.2	10302.5	3501.2	1802.0	1448.0
72.5°	794.8	801.6	872.4	1244.7	3432.7	10160.9	3578.8	1285.8	890.7	790.2
75°	504.7	500.2	621.2	760.5	1217.3	3428.1	1276.7	760.5	618.9	564.1
77.5°	363.1	374.6	445.4	568.7	767.4	1162.5	753.7	543.6	445.4	365.4
80°	271.8	278.6	324.3	443.1	539.0	724.0	479.6	402.0	335.7	228.4
82.5°	196.4	196.4	212.4	322.0	328.9	390.5	260.4	283.2	221.5	162.2
85°	116.5	114.2	132.5	191.8	171.3	143.9	118.8	173.6	139.3	100.5
87.5°	41.1	43.4	41.1	54.8	45.7	38.8	36.5	48.0	38.8	34.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5417.3
5449.3
5524.7
5638.9
5775.9
5917.5
6072.8
6285.2
6525.0
6783.1
7073.1
7374.6
7703.5
8089.5
8523.4
8998.4
9484.9
10071.9
10709.1
11380.5
12072.5
12741.7
13235.0
13312.7
12659.5
11026.5
8132.9
3848.3
1429.7
803.9
568.7
372.3
235.2
162.2
98.2
32.0
0.0

OF REPORT)